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OFF-SITE SURVEILLANCE ACTIVITIES OF THE SOUTHWESTERN RADIOLOGICAL HEALTH LABORATORY from January through June 1970

by
Environmental Surveillance
Western Environmental Research Laboratory

ENVIRONMENTAL PROTECTION AGENCY

Published August 1972

This surveillance performed under a Memorandum of Understanding (No. SF 54 373) for the U.S. ATOMIC ENERGY COMMISSION

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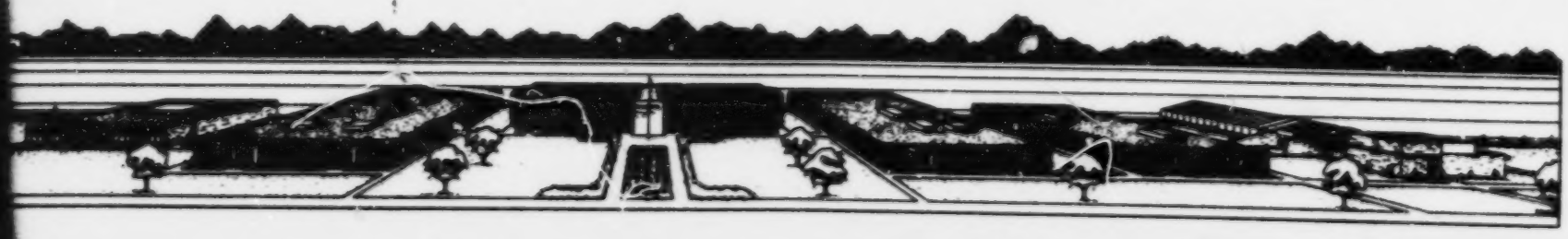

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*Formerly Southwestern Radiological Health Laboratory, part of the U. S. Department of Health, Education and Welfare, Public Health Service, Environmental Health Service, Environmental Control Administration, Bureau of Radiological Health.

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ABSTRACT

During the period January through June 1970, 24 announced underground nuclear tests were conducted by the U. S. Atomic Energy Commission at its Nevada Test Site. The Western Environmental Research Laboratory conducted an off-site surveillance program during this period.

The Snubber Event, conducted on April 21, 1970, accidentally released detectable radioactivity to the off-site area. The maximum exposure rate observed on portable survey instruments was 0.6 mR/h at Coyote Summit on Highway 25 during cloud passage. The integrated net gamma exposure at this location was 0.15 mR.

The maximum time-integrated concentration of airborne radioactivity was found on filters from a portable air sampler operating at the same location. These were 1.9 uCi·sec/m^3 ^{133}I and 6.6 uCi·sec/m^3 ^{135}I. No water or milk samples collected from sources used for human consumption were found to contain fresh fission products.

On May 6, 1970, the entry tunnel for the Mint Leaf Event was ventilated to enable technicians to re-enter the area. A portable air sampler operating at the time on Highway 25 at the Valley Road Junction (near Koyne's Mill) collected 700 pCi/m^3 ^{135}Xe on a charcoal cartridge, assuming 100 percent collection efficiency. The collection efficiency of activated charcoal for xenon is uncertain, but past experience would indicate approximately 10 to 15 percent. Therefore, the actual concentration could have been seven to ten times that reported.

No dosimetry devices collected during this six-month period showed exposures above normal background fluctuations.

All off-site exposures were well below the standards and guides established for off-site radiological safety.

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INTRODUCTION

During the period January through June 1970, 24 announced underground nuclear tests were conducted by the U. S. Atomic Energy Commission at its Nevada Test Site.

TABLE 1

Announced Tests During January 1970 - June 1970

EVENT	DATE	EVENT	DATE
Fob	1/23/70	Snubber	4/21/70
Ajo	1/30/70	Can	4/21/70
Grape B	2/4/70	Beebalm	5/1/70
Labis	2/5/70	Hod	5/1/70
Diana Mist	2/11/70	Mint Leaf	5/5/70
Cumarin	2/25/70	Diamond Dust	5/12/70
Yannigan	2/26/70	Cornice	5/15/70
Arabis	3/6/70	Manzanas	5/21/70
Cyathus	3/6/70	Morrones	5/21/70
Jal	3/19/70	Hudson Moon	5/26/70
Shaper	3/23/70	Flask	5/26/70
Handley	3/26/70	Arnica	6/26/70
Humid Water*	4/19/70		

*Humid Water was a non-nuclear event conducted near Hattiesburg, Mississippi; however, because it was detonated in an underground cavity previously created by the Salmon Event, a nuclear detonation conducted in 1964, WERL personnel were assigned to monitor possible releases of radionuclides and toxic or explosive gases and to assist with possible evacuation of nearby residents.

In accordance with a Memorandum of Understanding with the U. S. Atomic Energy Commission (AEC), the Western Environmental Research Laboratory (WERL) conducted a program of radiological monitoring and environmental sampling in the off-site

area surrounding the Nevada Test Site, Nuclear Rocket Development Station, and the Nellis Air Force Range. The overall complex of the Nevada Test Site (NTS) and the Nellis Air Force Range includes the Nuclear Rocket Development Station and the Tonopah Test Range, and for simplicity will be called the Test Range Complex throughout this report. Although most routine sampling and monitoring activities were conducted within 300 miles of the Test Range Complex, surveillance was extended as necessary to provide adequate coverage.

This report describes the methods and equipment used and summarizes the data collected during this six-month period.

OPERATIONAL PROCEDURES

Ground Monitoring

Before each event, mobile monitoring teams were sent to the off-site areas most likely to be affected by a release of radioactive material. If a release occurred, the teams conducted a monitoring program directed from the NTS Control Point via two-way radio. Monitoring continued until activity levels returned to background.

Each monitor carried two Eberline E-500B survey meters, an NE-148 scintillation instrument, and a Victoreen Radector Model No. AGB-50B-Sr. The Eberline E-500B has a range of 0 to 200 milliroentgens per hour (mR/h) for gamma or beta-gamma detection in four scales with an external halogen filled GM tube, and a 0 to 2000 mR/h range for gamma detection from an internal Anton 302 GM tube. The NE-148 is used primarily to indicate the presence of low level radioactivity and has a range of 0 to 3 mR/h in three scales. The Radector has a range of 0.05 to 50,000 mR/h over two logarithmic scales. This instrument uses an inert gas ionization chamber as the detector. These instruments are routinely calibrated to $\pm$ 20% with a standardized ^{137}Cs source.

Gamma-Rate Recorders

Continuous documentation of off-site gamma radioactivity levels was provided by 32 Eberline RM-11 gamma-rate recorder stations operated continually at fixed locations (Figure 1). These recorders have a GM tube detector with a 0.01 to 100 mR/h range, and are calibrated to ± 20% with a ^{137}Cs source. The gamma rate is recorded on a 30-hour strip chart. Monitoring teams were also equipped with portable battery-operated recorders consisting of an E-500B survey instrument coupled to a Rustrak strip-chart recorder.

Aerial Cloud Tracking

An Air Force U-3A aircraft with two WERL monitors carrying portable instruments similar to those used by ground monitors was used to track the radioactive effluents. Two WERL cloud sampling and cloud tracking aircraft were also used to obtain in-cloud samples, assess total cloud volume, and provide long-range tracking.

Air Sampling

During this six-month period the routine WERL Air Surveillance Network consisted of 102 stations operating in every state west of the Mississippi River except Montana and North Dakota (Figure 1). Sixteen additional stations were operating in Colorado during May and June in support of Project Rulison re-drilling operations. The air sampler used in the Air Surveillance Network is a Gelman "Tempest", consisting of a Gast Model 1550 vacuum pump driven by an electric motor. The sampler has an approximate flow rate of 10 cfm and uses a 4-inch diameter glass fiber filter. Activated charcoal cartridges were also used routinely at 20 stations near the Test Range Complex, and can be added to the other stations as necessary to collect gaseous fission products. The total volume of air sampled is calculated from the average flow rate and the total sampling time. These samplers operate 24 hours a day.

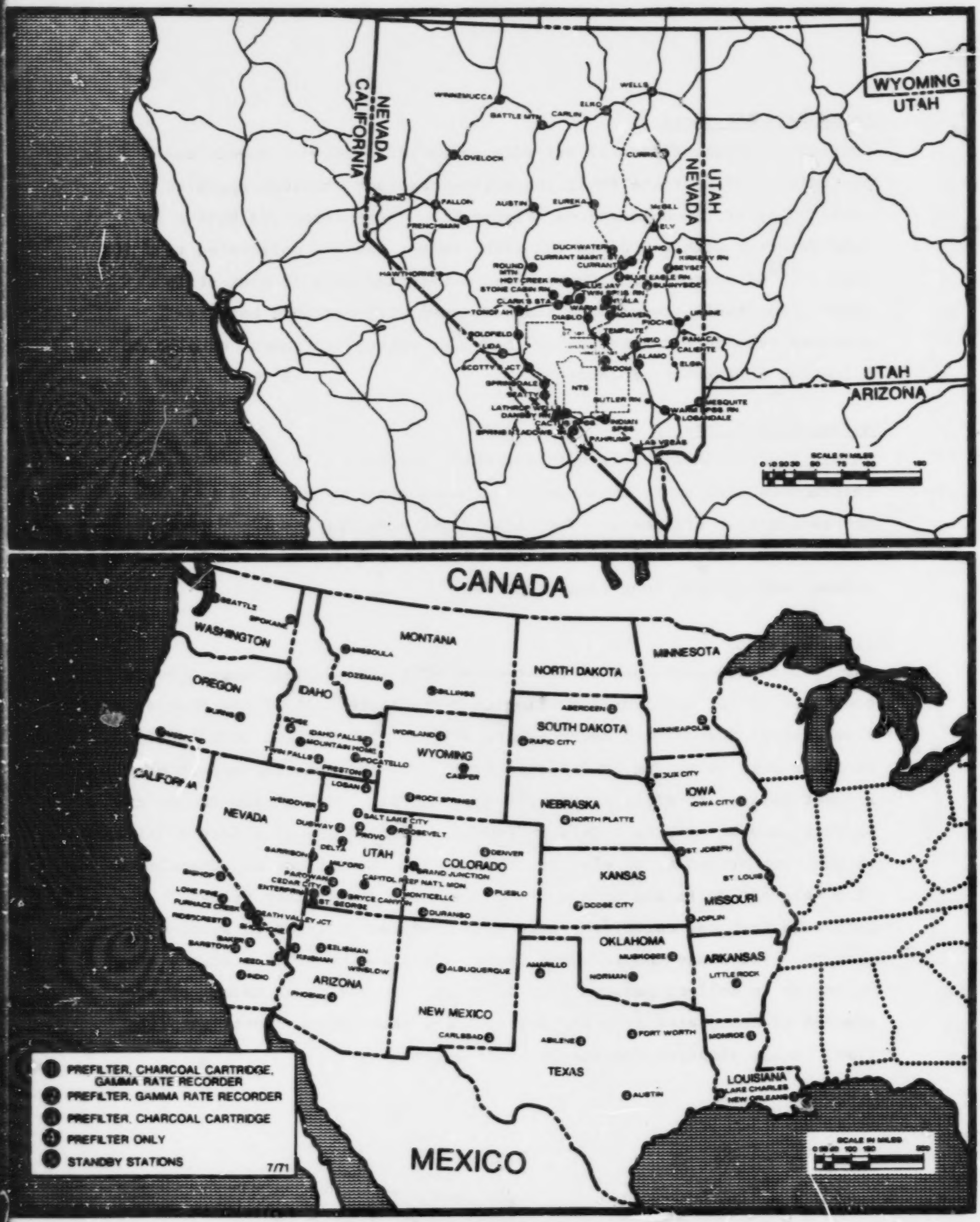

FIGURE 1. AIR SURVEILLANCE NETWORK STATIONS

Milk and Water Sampling

The routine milk sampling program from both commercial dairies and private producers continued throughout the six-month period. About 45 sources were routinely sampled during this period, many on a monthly basis. Two hundred and nine samples were collected from these locations. In the event of cloud passage over a specific area, intensified milk sampling within the area was conducted to detect changes in activity.

Both domestic and non-domestic water supplies were sampled on a monthly basis. Water sampling was increased if a release occurred. During this period, 566 water samples were collected from 98 sources.

Vegetation Sampling

Normally, vegetation samples were collected only in the event of a release of radioactive material, and analyzed for gross gamma radioactivity to delineate the fallout pattern. At most locations where special milk samples were collected, samples of the cow's feed were collected and analyzed for specific radionuclides.

Dosimetry

During the later part of this reporting period, use of film badges was phased out and only thermoluminescent dosimeters (TLD's) were used for both personnel and fixed station dosimetry. The EG&G Model TL-12 TLD's used have a uniform energy response from 50 keV to several MeV with a low energy cutoff at 50 keV. According to past TLD data, a reading at 10 mR above the previous month's background constitutes a detectable exposure. Sixty-two residents in the off-site area wore TLD's during this period. These were changed each month, and 104 permanent stations were equipped with three TLD's each which were also exchanged monthly. Additional stations were maintained in Alaska and Colorado to document background radiation levels.

Community Relations

Frequent contacts with the off-site population by monitors and presentations for schools and civic groups provided the opportunity to explain the role of WERL in support of the AEC testing programs. A number of off-site residents also took part in the environmental sampling program. All routine air sampling stations except Las Vegas were operated by local citizens and many people volunteered to wear dosimeters.

For one event involving a device in the megaton range, the WERL established community information centers in towns around the NTS to keep the people informed of the event schedule, notify residents of possible hazards, evacuate specified buildings and mines, and process any complaints following the event.

Medical and Veterinary Services

A WERL medical officer was available in the event any complaints of a medical nature arose as a result of the test series and to provide liaison with local physicians. No such cases were brought to the attention of WERL.

Veterinary services were provided by WERL veterinarians. Liaison was maintained with livestock producers in the area and the program of wildlife and cattle investigation was continued. One case of skin disease on cattle was investigated at the request of the rancher. The cause of this disease was not the result of radiation, but was found to be lice and ringworm.

SAMPLE ANALYSIS

WERL analytical procedures can be found in Document NV-28, an AEC publication, revised 1968.

SUMMARY OF INDIVIDUAL EVENTS

Only one nuclear event released radioactivity to the off-site environment. This was Snubber, conducted on April 21, 1970.

SNUBBER - April 21, 1970

Gamma Exposures

Twenty-one WERL monitors were positioned at the following downwind locations and populated locations (Table 2) around the Test Range Complex for environmental surveillance activities following the Snubber Event.

Table 2. Ground Monitoring Locations
Snubber - April 21, 1970

1. Hancock Summit	11. 30 mi N of Hiko, Hwy 38
2. 5 mi W of Hancock Summit	12. 45 mi N of Hiko, Hwy 38
3. Coyote Summit	13. Sunnyside
4. 1/2 mi W Koyne's Mill, Hwy 25	14. Alamo
5. Valley Road	15. Oak Springs Summit, Hwy 93
6. Queen City Summit	16. Panaca
7. Monitor mobile on Hwy 25 between Queen City Summit and Hancock Summit	17. Pioche
	18. 38 mi N of Pioche, Hwy 93
8. Adaven	19. Geyser Maintenance Station, Hwy 93
9. Crystal Springs	20. Parowan, Utah
10. Hiko	21. Cedar City, Utah

Radioactivity from Snubber was detected off-site with GM survey instruments by monitors southwest of Highway 25 on the Valley Road, and along Highway 25 from 12 miles northwest of Coyote Summit to 9 miles southeast of Coyote Summit. The maximum reading observed was at Coyote Summit. Levels at this location increased above background at 0920 hours, peaked at 0945 hours with a reading of 0.6 mR/h and returned to background at 1025 hours. The net gamma exposure from the integration of these readings with time at this location was 0.15 mR. No exposure levels above normal background were detected by TLD's.

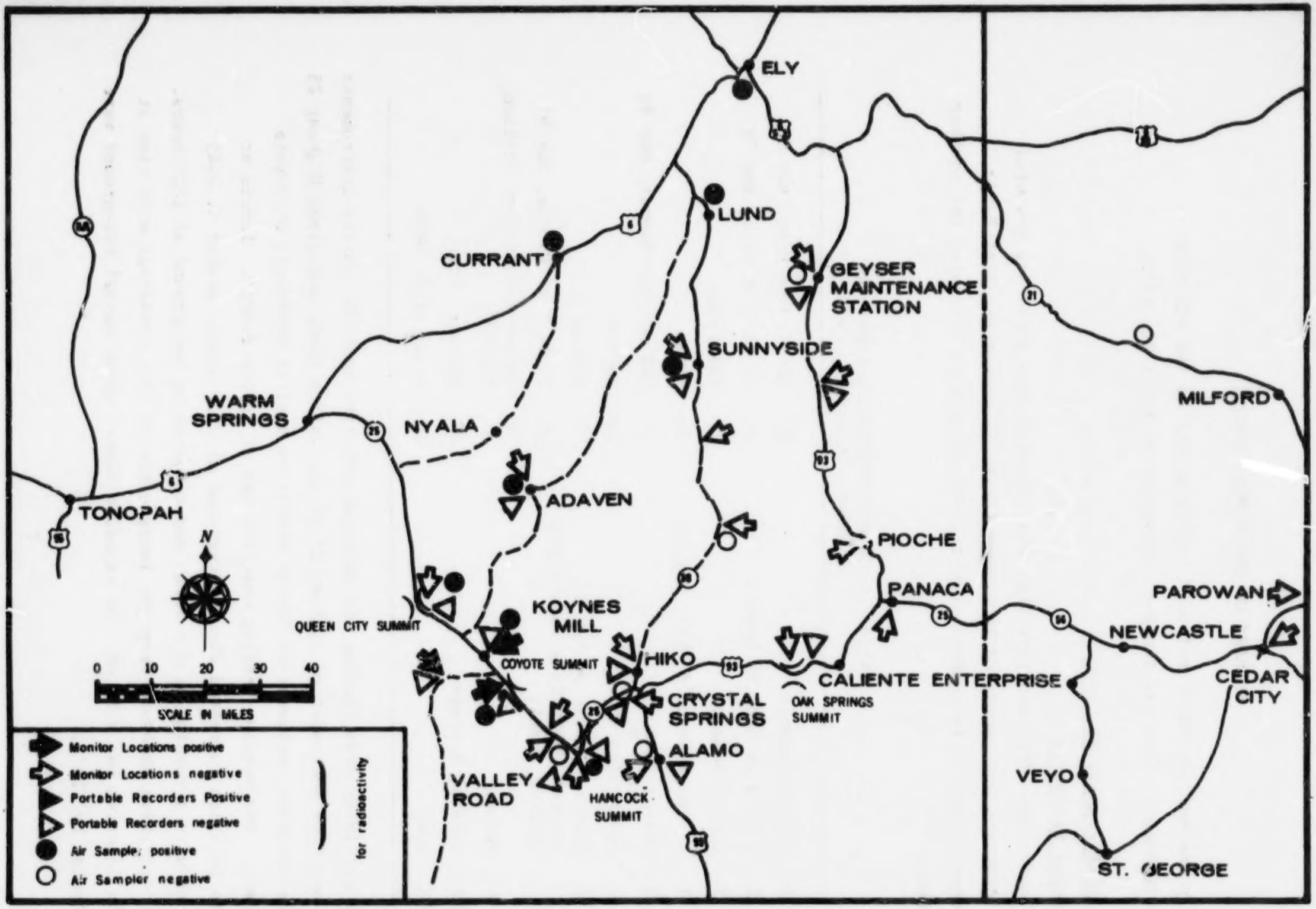

Figure 2. Snubber Event Monitoring and Portable Air Sampling Locations.

Environmental Sampling

Temporary air samplers were operated at locations 1, 2, 3, 4, 6, 8, 9, 13, 14, 18, and 19 (Table 2). An additional temporary air sampler was operated at Wah Wah Mountain Summit, 31 miles northwest of Milford, Utah, on Highway 21, from 2245 hours April 21 to 0950 hours April 22. Thermoluminescent dosimeters were also placed at locations 1, 2, 3, 4, 5, 6, 8, 9, 10, 13, 14, 15, 18, and 19 (Table 2). These locations are also shown in Figure 2.

Vegetation, soil, and snow samples were collected at locations shown on Figure 3. Milk, cow feed, and drinking water samples were collected from the following dairies and ranches on the indicated dates:

Hiko, Nevada - Schofield Dairy	PM	4/21/70
Mesquite, Nevada - Hughes Brothers Dairy	AM	4/22/70
Panaca, Nevada - Kenneth Lee Ranch	AM	4/22/70
Caliente, Nevada - Young Ranch	PM	4/22/70
Lund, Nevada - McKenzie Dairy	AM	4/22/70
Newcastle, Utah - Newcastle Dairy	AM	4/22/70
St. George, Utah - R. Cox Dairy	AM	4/22/70
Veyo, Utah - Veyo Dairy Association	AM	4/22/70
Hiko, Nevada - Schofield Dairy	AM	4/23/70

Forty milk samples from eight Standby Milk Stations in Utah and thirty-four milk samples from seven Standby Milk Stations in Arizona were also collected. The sampled locations are indicated in Figure 4. All milk samples collected during this six-month period are listed in the Appendix.

The only environmental samples containing event-related radioactivity were snow samples collected at two locations and also on air samples obtained at nine locations. On the day following the event one snow sample collected at Sunnyside, Nevada, contained 500 pCi/l ^{133}I and 690 pCi/l ^{135}I. Concentrations in snow are expressed at pCi per liter of liquid water.

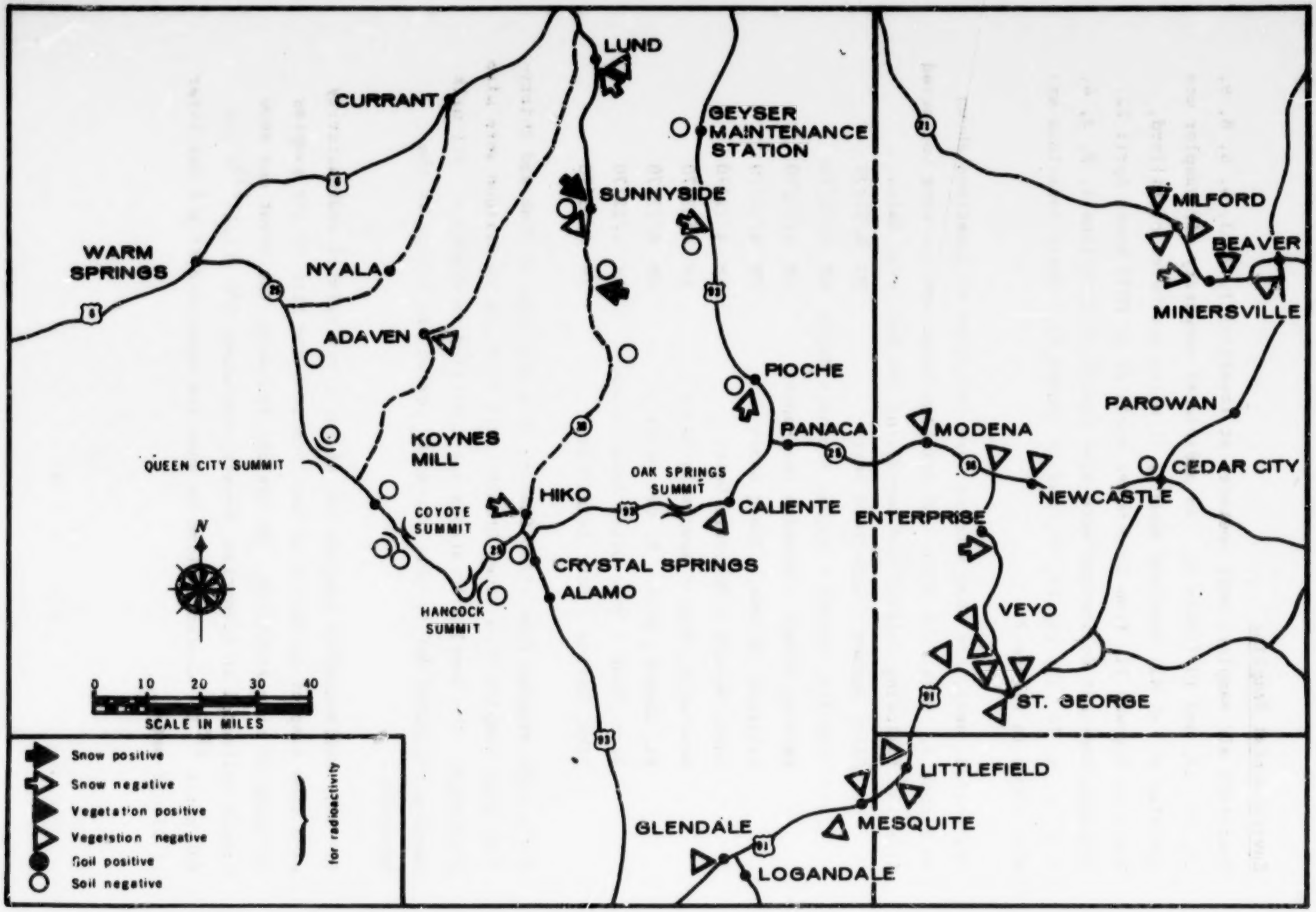

Figure 3. Snubber Event Sampling Locations for Soil, Vegetation, and Precipitation(snow).

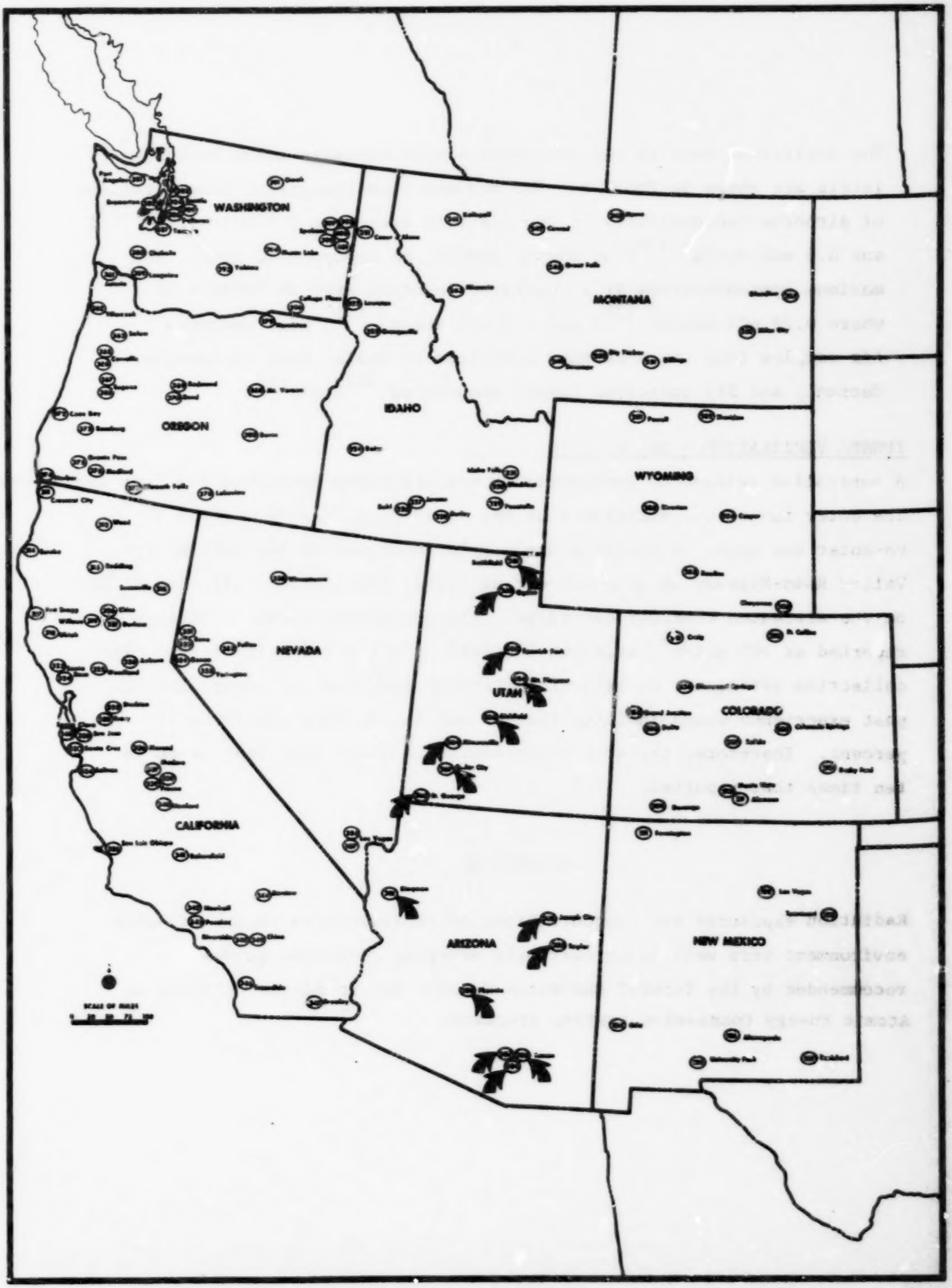

Figure 4. Standby Milk Surveillance Stations Sampled for the Snubber Event.

The analytical results for air samples with activity above background levels are shown in Table 3. The maximum time-integrated concentrations of airborne radioactivity in the off-site area were 1.9 uCi·sec/m^3 ^{133}I and 6.6 uCi·sec/m^3 ^{135}I at Coyote Summit, an unpopulated area. The maximum concentrations at a populated location were at Koyne's Mill where 0.79 uCi·sec/m^3 ^{133}I and 1.9 uCi·sec/m^3 ^{135}I were measured. Air samples from the populated locations of Nyala, Lund, Sunnyside, Currant, and Ely indicated lesser amounts of ^{133}I and ^{135}I.

TUNNEL VENTILATION - May 6, 1970

A controlled release of radioactivity was conducted following the Mint Leaf Event. The entry tunnel was ventilated on May 6, 1970, to enable workers to re-enter the area. A portable air sampler operated by the WERL at the Valley Road-Highway 25 junction during tunnel ventilation collected ^{135}Xe on the activated charcoal cartridge. The concentration was initially reported as 700 pCi/m^3, assuming 100 percent collection efficiency. The collection efficiency of activated charcoal for xenon is uncertain, but past experience would indicate that it was in the range of 10 to 15 percent. Therefore, the actual concentration could have been seven to ten times that reported.

CONCLUSION

Radiation exposures and concentrations of radionuclides in the off-site environment were well below currently accepted radiation guides recommended by the Federal Radiation Council and standards relating to Atomic Energy Commission testing programs.

Table 3
SNUBBER EVENT
April 21, 1970

Five Highest ^{133}I and ^{135}I Results and Associated Gross Beta Results from Air Sample Media Extrapolated to End of Collection Period (Combined Particulate and Charcoal Filters)

LOCATION Azimuth-Distance From CP-1	TIME On / Off	DATE On / Off	AVERAGE CONCENTRATIONS DURING COLLECTION PERIOD (pCi/m^3) AND INTEGRATED CONCENTRATIONS ($\mu Ci \cdot sec/m^3$)					
			Gross Beta		^{133}I		^{135}I	
			$\frac{pCi}{m^3}$	$\frac{\mu Ci \cdot sec}{m^3}$	$\frac{pCi}{m^3}$	$\frac{\mu Ci \cdot sec}{m^3}$	$\frac{pCi}{m^3}$	$\frac{\mu Ci \cdot sec}{m^3}$
Coyote Summit Nev.* 25°, 49 mi	0835 1440	4/21 4/21	6.0	0.13	87	1.9	300	6.6
Coyote Summit Nev. Koyne's Mill 23°, 52 mi	0833 1440	4/21 4/21	LT(2.7)	LT(0.06)	36	0.79	86	1.9
Currant Maint. Sta., Nev. 16°, 135 mi	0655 0745	4/21 4/21	0.5	0.05	5.6	0.51	ND	ND
Hancock Summit Nev.* 48°, 49 mi	0825 1449	4/21 4/21	LT(2.5)	LT(0.06)	12	0.28	4.5	0.10
Nyala, Nev. 11°, 91 mi	0800 0800	4/21 4/22	LT(0.2)	LT(0.02)	3.3	0.28	ND	ND

* Temporary Stations
LT=Less than
ND=Not Detected

APPENDIX

Milk sample results for the six-month period.

Note:

The two left-hand columns of each sample listing give the location of the sample source, the identification number assigned to the sample when it arrives at the laboratory, the date the sample was collected, and the size of the sample (L = liter) The results listed for ^{131}I, ^{137}Cs, ^{89}Sr, and ^{90}Sr are in units of picocuries per liter.

Values reported as LT(X) indicate activity less than X where X is the minimum detectable activity.

NA = not analyzed

Some of the values are listed in exponential form:

3.0E01 = $3.0 \times 10^1 = 30$; 5.5E02 = $5.5 \times 10^2 = 550$, etc.

APPENDIX

ACCUMULATIVE OFF-SITE MILK RESULTS JANUARY THROUGH JUNE 1970 PAGE 001

ARIZONA REPORTED 06/08/71	131I	137CS	89SR	90SR
TUCSON ARIZ - SHAMROCK DAIRY (BENSON) # 082065 DATE- 04 15 70 SIZE- L	LT(10)	LT(10)	LT(5)	3
TUCSON ARIZ - SHAMROCK DAIRY (BENSON) # 082316 DATE- 04 22 70 SIZE- L	LT(20)	LT(10)	LT(5)	2
TUCSON ARIZ - SHAMROCK DAIRY (BENSON) # 082568 DATE- 04 27 70 SIZE- L	LT(10)	LT(10)	NA	NA
TUCSON ARIZ - SHAMROCK DAIRY (BENSON) # 83455 SB DATE- 05 01 70 0600 SIZE- 3.50 L	LT(10)	LT(10)	NA	NA
JOSEPH CITY ARIZ - MIDWAY DAIRY # 082036 DATE- 04 14 70 SIZE- L	LT(10)	LT(10)	LT(5)	LT(2)
JOSEPH CITY ARIZ - MIDWAY DAIRY # 082609 DATE- 04 26 70 SIZE- L	LT(10)	LT(10)	LT(5)	2
JOSEPH CITY ARIZ - MIDWAY DAIRY # 082610 DATE- 04 27 70 SIZE- L	LT(10)	LT(10)	NA	NA
JOSEPH CITY ARIZ - MIDWAY DAIRY # 083326 DATE- 04 28 70 SIZE- L	LT(10)	LT(10)	NA	NA

ARIZONA	REPORTED 06/08/71	131I	137CS	89SR	90SR
JOSEPH CITY ARIZ - # 083369 SIZE- L	MIDWAY DAIRY DATE- 04 29 70	LT(10)	LT(10)	NA	NA
JOSEPH CITY ARIZ - # 083456 SIZE- L	MIDWAY DAIRY DATE- 04 30 70	LT(10)	LT(10)	NA	NA
JOSEPH CITY ARIZ - # 83457 SB SIZE- 3.00 L	MIDWAY DAIRY DATE- 05 01 70 0600	LT(10)	LT(10)	NA	NA
JOSEPH CITY ARIZ - # 83458 SB SIZE- 3.00 L	MIDWAY DAIRY DATE- 05 02 70 0600	LT(10)	LT(10)	NA	NA
KINGMAN ARIZ # 082033 SIZE- L	CANYON FARMS DATE- 04 14 70	LT(10)	LT(10)	LT(5)	3
KINGMAN ARIZ # 082319 SIZE- L	CANYON FARMS DATE- 04 23 70	LT(10)	LT(10)	LT(5)	3
KINGMAN ARIZ # 082355 SIZE- L	CANYON FARMS DATE- 04 24 70	LT(10)	LT(10)	NA	NA
KINGMAN ARIZ # 082405 SIZE- L	CANYON FARMS DATE- 04 25 70	LT(10)	LT(10)	NA	NA

ARIZONA REPORTED 06/08/71	131I	137CS	89SR	90SR
KINGMAN ARIZ CANYON FARMS # 082570 DATE- 04 26 70 SIZE- L	LT(10)	LT(10)	NA	NA
KINGMAN ARIZ CANYON FARMS # 082571 DATE- 04 27 70 SIZE- L	LT(10)	LT(10)	NA	NA
KINGMAN ARIZ CANYON FARMS # 082611 DATE- 04 28 70 SIZE- L	LT(10)	LT(10)	NA	NA
KINGMAN ARIZ CANYON FARMS # 083323 DATE- 04 29 70 SIZE- L	LT(10)	LT(10)	NA	NA
TUCSON ARIZ - SHAMROCK DAIRY (SAFFORD) # 082039 DATE- 04 14 70 SIZE- L	LT(10)	LT(10)	LT(5)	LT(2)
TUCSON ARIZ - SHAMROCK DAIRY (SAFFORD) # 082318 DATE- 04 22 70 SIZE- L	LT(10)	LT(10)	LT(5)	3
TUCSON ARIZ - SHAMROCK DAIRY (SAFFORD) # 082401 DATE- 04 23 70 SIZE- L	LT(10)	LT(10)	NA	NA
TUCSON ARIZ - SHAMROCK DAIRY (SAFFORD) # 082407 DATE- 04 23 70 SIZE- L	LT(10)	LT(10)	NA	NA

ARIZONA REPORTED 06/08/71	131I	137CS	89SR	90SR
TUCSON ARIZ - SHAMROCK DAIRY (SAFFORD) # 082608 DATE- 04 28 70 SIZE- L	LT(10)	LT(10)	NA	NA
TUCSON ARIZ - SHAMROCK DAIRY (SAFFORD) # 083460 DATE- 04 30 70 SIZE- L	LT(10)	LT(10)	NA	NA
TUCSON ARIZ - SHAMROCK DAIRY (SAFFORD) # 83494 SB DATE- 05 02 70 0600 SIZE- 3.50 L	LT(10)	LT(10)	NA	NA
TAYLOR ARIZ - SUNRISE DAIRY # 082029 DATE- 04 14 70 SIZE- L	LT(10)	LT(10)	LT(5)	LT(2)
TAYLOR ARIZ - SUNRISE DAIRY # 082411 DATE- 04 24 70 SIZE- L	LT(10)	LT(10)	LT(5)	2
TAYLOR ARIZ - SUNRISE DAIRY # 082612 DATE- 04 25 70 SIZE- L	LT(10)	LT(10)	NA	NA
TAYLOR ARIZ - SUNRISE DAIRY # 082613 DATE- 04 26 70 SIZE- L	LT(10)	LT(10)	NA	NA
TAYLOR ARIZ - SUNRISE DAIRY # 082614 DATE- 04 27 70 SIZE- L	LT(10)	LT(10)	NA	NA

ACCUMULATIVE OFF-SITE MILK RESULTS JANUARY THROUGH JUNE 1970

ARIZONA	REPORTED 06/08/71	131I	137CS	89SR	90SR
TAYLOR ARIZ - SUNRISE DAIRY # 083364 DATE- 04 28 70 SIZE- L		LT(10)	LT(10)	NA	NA
TAYLOR ARIZ - SUNRISE DAIRY # 083365 DATE- 04 29 70 SIZE- L		LT(10)	LT(10)	NA	NA
TAYLOR ARIZ - SUNRISE DAIRY # 083518 DATE- 04 30 70 SIZE- L		LT(10)	LT(10)	NA	NA
TUCSON ARIZ - SHAMROCK DAIRY (PIMA CO) # 082042 DATE- 04 14 70 SIZE- L		LT(10)	LT(10)	NA	NA
TUCSON ARIZ - SHAMROCK DAIRY (PIMA CO) # 082562 DATE- 04 27 70 SIZE- L		LT(10)	LT(10)	NA	NA
TUCSON ARIZ - SHAMROCK DAIRY (PIMA CO) # 082622 DATE- 04 28 70 SIZE- L		LT(10)	LT(10)	NA	NA
TUCSON ARIZ - SHAMROCK DAIRY (PIMA CO) # 083363 DATE- 04 30 70 SIZE- L		LT(10)	LT(10)	NA	NA
TUCSON ARIZ - SHAMROCK DAIRY (PIMA CO) # 83461 SB DATE- 05 01 70 0600 SIZE- 3.50 L		LT(10)	LT(10)	NA	NA

ARIZONA REPORTED 06/08/71	131I	137CS	89SR	90SR
TUCSON ARIZ - SHAMROCK DAIRY (PIMA CO) # 83495 SB DATE- 05 02 70 0600 SIZE- 3500 L	LT(10)	LT(10)	NA	NA
PHOENIX ARIZ - SHAMROCK DAIRY (YUMA) # 082063 DATE- 04 15 70 SIZE- L	LT(10)	LT(10)	LT(5)	LT(2)
PHOENIX ARIZ - SHAMROCK DAIRY (YUMA) # 082320 DATE- 04 23 70 SIZE- L	LT(10)	LT(10)	LT(5)	2
PHOENIX ARIZ - SHAMROCK DAIRY (YUMA) # 082410 DATE- 04 23 70 SIZE- L	LT(10)	LT(10)	NA	NA
PHOENIX ARIZ - SHAMROCK DAIRY (YUMA) # 082565 DATE- 04 24 70 SIZE- L	LT(10)	LT(10)	NA	NA
PHOENIX ARIZ - SHAMROCK DAIRY (YUMA) # 082566 DATE- 04 25 70 SIZE- L	LT(10)	LT(10)	NA	NA
PHOENIX ARIZ - SHAMROCK DAIRY (YUMA) # 082567 DATE- 04 26 70 SIZE- L	LT(10)	LT(10)	NA	NA
PHOENIX ARIZ - SHAMROCK DAIRY (YUMA) # 082623 DATE- 04 27 70 SIZE- L	LT(10)	LT(10)	NA	NA

ARIZONA	REPORTED 06/08/71	131I	137CS	89SR	90SR
PHOENIx ARIZ - SHAMROCK DAIRY (YUMA) # 083325 DATE- 04 28 70 SIZE- L		LT(10)	LT(10)	NA	NA
PHOENIx ARIZ - SHAMROCK DAIRY (YUMA) # 083362 DATE- 04 29 70 SIZE- L		LT(10)	LT(10)	NA	NA

CALIFORNIA REPORTED 06/08/71	131I	137CS	89SR	90SR
BARSTOW CALIF - HILL'S DAIRY # 076052 8390 DATE- 01 05 70 SIZE- L	LT(10)	LT(10)	LT(5)	LT(2)
BARSTOW CALIF - HILL'S DAIRY # 076790 8390 DATE- 02 11 70 SIZE- L	LT(10)	LT(10)	LT(5)	LT(2)
BISHOP CALIF - SIERRA FARMS # 076055 8290 DATE- 01 07 70 SIZE- L	LT(10)	LT(10)	LT(5)	2
BISHOP CALIF - SIERRA FARMS # 076791 8290 DATE- 02 11 70 SIZE- L	LT(10)	LT(10)	LT(5)	3
BISHOP CALIF - SIERRA FARMS # 080933 8290 DATE- 03 11 70 SIZE- L	LT(10)	LT(10)	LT(5)	3
BISHOP CALIF - SIERRA FARMS # 081676 8290 DATE- 04 08 70 SIZE- L	LT(10)	LT(10)	LT(5)	2
BISHOP CALIF - SIERRA FARMS # 83621 8290 DATE- 05 07 70 0600 SIZE- 3.50 L	LT(10)	LT(10)	LT(5)	4
BISHOP CALIF - SIERRA FARMS # 84892 8290 DATE- 06 02 70 1800 SIZE- 3.50 L	LT(10)	LT(10)	LT(5)	2

CALIFORNIA REPORTED 06/08/71	131I	137CS	89SR	90SR
HINKLEY CALIF - BILL NELSON DAIRY # 080934 6390 DATE- 03 09 70 SIZE- L	LT(10)	LT(10)	LT(5)	LT(2)
HINKLEY CALIF - BILL NELSON DAIRY # 081678 6390 DATE- 04 07 70 SIZE- L	LT(10)	LT(10)	LT(5)	LT(2)
HINKLEY CALIF - BILL NELSON DAIRY # 83619 6390 DATE- 05 06 70 1800 SIZE- 3.50 L	LT(10)	LT(10)	LT(5)	LT(2)
HINKLEY CALIF - BILL NELSON DAIRY # 84891 6390 DATE- 06 02 70 1800 SIZE- 3.50 L	LT(10)	LT(10)	LT(5)	2
INDEPENDENCE CALIF SMITH RANCH # 081677 8290 DATE- 04 08 70 SIZE- L	LT(10)	LT(10)	LT(5)	2
LONE PINE CALIF - LONE PINE DAIRY # 076054 8390 DATE- 01 06 70 SIZE- L	LT(10)	LT(10)	LT(5)	3
LONE PINE CALIF - LONE PINE DAIRY # 076793 8390 DATE- 02 11 70 SIZE- L	LT(10)	LT(10)	LT(5)	2
OLANCHA CALIF - HAYHURST RANCH # 076053 6370 DATE- 01 07 70 SIZE- L	LT(10)	LT(10)	LT(5)	2

ACCUMULATIVE OFF-SITE MILK RESULTS JANUARY THROUGH JUNE 1970

CALIFORNIA	REPORTED 06/08/71	131I	137CS	89SR	90SR
OLANCHA CALIF - HAYHURST RANCH # 076792 6370 DATE- 02 12 70 SIZE- L		LT(10)	1.0E01	LT(5)	LT(2)
OLANCHA CALIF - HAYHURST RANCH # 080932 6370 DATE- 03 10 70 SIZE- L		LT(10)	LT(10)	5	LT(2)
OLANCHA CALIF - HAYHURST RANCH # 081675 6370 DATE- 04 08 70 SIZE- L		LT(10)	LT(10)	LT(5)	LT(2)
OLANCHA CALIF - HAYHURST RANCH # 83620 6370 DATE- 05 06 70 1800 SIZE- 3.20 L		LT(10)	LT(10)	LT(5)	LT(2)
OLANCHA CALIF - HAYHURST RANCH # 84894 6370 DATE- 06 02 70 1800 SIZE- 3.50 L		LT(10)	LT(10)	LT(5)	2

COLORADO REPORTED 06/08/71	131I	137CS	89SR	90SR
ALAMOSA COLO - ALAMOSA MILK COMPANY # 083446 DATE- 04 30 70 SIZE- 3.50 L	LT(10)	LT(10)	LT(5)	4
COLLBRAN COLO - C W YOUNG DAIRY # 081514 6992 DATE- 04 01 70 SIZE- 3.50 L	LT(10)	LT(10)	LT(5)	8
COLLBRAN COLO - C W YOUNG DAIRY # 83696 6992 DATE- 05 07 70 0600 SIZE- 3.50 L	LT(10)	1.0E01	NA	NA
COLLBRAN COLO - WILLIAM C EARLEY RANCH # 081518 6292 DATE- 04 01 70 SIZE- 3.50 L	LT(10)	LT(10)	LT(5)	9
COLLBRAN COLO - WILLIAM C EARLEY RANCH # 83697 6292 DATE- 05 06 70 1800 SIZE- 3.50 L	LT(10)	2.0E01	NA	NA
COLLBRAN COLO - ARTHUR LINN RANCH # 83695 4732 DATE- 05 06 70 1800 SIZE- 3.50 L	LT(10)	LT(10)	NA	NA
COLORADO SPGS COLO - SINTON DAIRY CO # 083444 DATE- 04 29 70 SIZE- 3.50 L	LT(10)	LT(10)	LT(5)	4
CRAIG COLO - YAMPA VALLEY DAIRY # 84582 DATE- 05 21 70 1800 SIZE- 2.79 L	LT(10)	1.0E01	LT(5)	7

COLORADO	REPORTED 06/08/71	131I	137CS	89SR	90SR
DEBEQUE COLO - C L RICKSTREW RANCH # 081509 6192 DATE- 04 02 70 SIZE- 3.50 L		LT(10)	1.0E01	LT(5)	4
DEBEQUE COLO - C L RICKSTREW RANCH # 83852 6192 DATE- 05 11 70 0600 SIZE- 3.23 L		LT(10)	LT(10)	NA	NA
DELTA COLO - ARDEN MEADOW GOLD DAIRY # 083556 DATE- 04 29 70 SIZE- 3.50 L		LT(10)	LT(10)	LT(5)	5
DURANGO COLO - CLOVER RICH DAIRY # 083449 DATE- 04 29 70 SIZE- 3.50 L		LT(10)	LT(10)	LT(5)	4
DURANGO COLO - CLOVER RICH DAIRY # 83519 SB DATE- 05 03 70 0600 SIZE- 3.50 L		LT(10)	LT(10)	NA	NA
FT COLLINS COLO - POUDRE VALLEY DAIRY # 083448 DATE- 04 29 70 SIZE- 3.50 L		LT(10)	LT(10)	LT(5)	5
GLENWOOD SPGS COLO - GLENWOOD CREAMERY # 083368 DATE- 04 29 70 SIZE- 3.50 L		LT(10)	LT(10)	LT(5)	9
GLENWOOD SPGS COLO- ROCK-N-PINES DAIRY # 081513 6992 DATE- 04 01 70 SIZE- 3.50 L		LT(10)	LT(10)	LT(5)	4

COLORADO	REPORTED 06/08/71	131I	137CS	89SR	90SR
GLENWOOD SPGS COLO- ROCK-N-PINES DAIRY # 83694 7972 DATE- 05 08 70 0600 SIZE- 3.50 L		LT(10)	LT(10)	NA	NA
GRAND JCT COLO - CLYMER'S DAIRY # 083497 DATE- 04 30 70 SIZE- 3.50 L		LT(10)	LT(10)	LT(5)	3
GRAND VALLEY COLO - A L MCLANE RANCH # 081519 6282 DATE- 04 01 70 SIZE- 3.50 L		LT(10)	2.0E01	LT(5)	6
GRAND VALLEY COLO - A L MCLANE RANCH # 083317 6292 DATE- 04 29 70 SIZE- 3.50 L		LT(10)	1.0E01	LT(5)	3
GRAND VALLEY COLO - A L MCLANE RANCH # 83713 6282 DATE- 05 07 70 0600 SIZE- 3.50 L		LT(10)	LT(10)	NA	NA
MESA COLO - RUPERT WASSON RANCH # 081520 6292 DATE- 04 01 70 SIZE- 3.50 L		LT(10)	LT(10)	LT(5)	2
MESA COLO - RUPERT WASSON RANCH # 83772 6292 DATE- 05 06 70 1800 SIZE- 3.32 L		LT(10)	LT(10)	NA	NA
MONTE VISTA COLO - SUNRISE CREAMERY # 083447 DATE- 04 30 70 SIZE- 3.50 L		LT(10)	LT(10)	LT(5)	3

COLORADO REPORTED 06/08/71	131I	137CS	89SR	90SR
MOLINA COLO - GLEN TAYLOR DAIRY # 081516 6992 DATE- 04 01 70 SIZE- 3.50 L	LT(10)	LT(10)	LT(5)	4
MOLINA COLO - GLEN TAYLOR DAIRY # 83698 6992 DATE- 05 07 70 0600 SIZE- 3.50 L	LT(10)	LT(10)	NA	NA
RIFLE COLO - ALEX C URQUHART DAIRY # 081517 6992 DATE- 04 01 70 SIZE- 3.50 L	LT(10)	LT(10)	LT(5)	2
RIFLE COLO - ALEX C URQUHART DAIRY # 83771 7992 DATE- 05 09 70 0600 SIZE- 3.50 L	LT(10)	LT(10)	NA	NA
ROCKY FORD COLO - ROCKY FORD COOP # 083445 DATE- 04 30 70 SIZE- 3.50 L	LT(10)	LT(10)	LT(5)	3
RULISON COLO - DONALD BURTARD RANCH # 081515 4212 DATE- 03 31 70 SIZE- 3.50 L	LT(10)	1.0E01	LT(5)	7
RULISON COLO - DONALD BURTARD RANCH # 83712 4212 DATE- 05 07 70 0600 SIZE- .400 L	LT(100)	LT(100)	NA	NA
RULISON COLO - FELIX S SEFCOVIC RANCH # 081510 4232 DATE- 04 01 70 SIZE- 3.50 L	LT(10)	LT(10)	LT(5)	7

COLORADO	REPORTED 06/08/71	1311	137CS	89SR	90SR
RULISON COLO - FELIX S SEFCOVIC RANCH # 83711 4232 DATE- 05 07 70 0600 SIZE- 3.50 L		LT(10)	LT(10)	NA	NA
RULISON COLO - BILLIE LEE SMITH RANCH # 081511 4332 DATE- 03 31 70 SIZE- 3.50 L		LT(10)	6.0E01	LT(5)	12
RULISON COLO - BILLIE LEE SMITH RANCH # 83450 4332 DATE- 04 28 70 SIZE- .400 L		LT(100)	LT(100)	LT(5)	12
RULISON COLO - BILLIE LEE SMITH RANCH # 83699 4332 DATE- 05 05 70 0600 SIZE- .400 L		LT(100)	LT(100)	NA	NA
SALIDA COLO - MONARCH DAIRY # 83443 SB DATE- 05 01 70 0600 SIZE- 3.50 L		LT(10)	LT(10)	LT(5)	4
SILT COLO - RUFUS RALEY RANCH # 081512 6292 DATE- 04 01 70 SIZE- 3.50 L		LT(10)	LT(10)	5	4
SILT COLO - RUFUS RALEY RANCH # 83693 6292 DATE- 05 08 70 0600 SIZE- 3.50 L		LT(10)	2.0E01	NA	NA
SILT COLO - JAMES A FULLER RANCH # 83853 6262 DATE- 05 11 70 0600 SIZE- 3.50 L		LT(10)	LT(10)	6	7

COLORADO	REPORTED 06/08/71	1311	137CS	89SR	90SR
SILT COLO - D D HAYWOOD RANCH # 83710 6392 DATE- 05 08 70 0600 SIZE- 3.50 L		LT(10)	LT(10)	7	3

NEVADA	REPORTED 06/08/71	131I	137CS	89SR	90SR
ALAMO NEV - SEIP DAIRY # 076093 6990 DATE- 01 09 70 SIZE- L		LT(10)	2.0E01	LT(5)	6
ALAMO NEV - SEIP DAIRY # 076761 6990 DATE- 02 13 70 SIZE- L		LT(10)	LT(10)	LT(5)	5
ALAMO NEV - SEIP DAIRY # 080947 6990 DATE- 03 10 70 SIZE- L		LT(10)	LT(10)	LT(5)	3
ALAMO NEV - SEIP DAIRY # 081739 6990 DATE- 04 10 70 SIZE- L		LT(10)	LT(10)	LT(5)	2
ALAMO NEV - SEIP DAIRY # 83981 6990 DATE- 05 14 70 1800 SIZE- 3.50 L		LT(10)	LT(10)	LT(5)	LT(2)
ALAMO NEV - SEIP DAIRY # 85486 9990 DATE- 06 19 70 1800 SIZE- 3.50 L		LT(10)	1.0E01	LT(5)	3
AUSTIN NEV - YOUNG'S RANCH # 076110 1330 DATE- 01 06 70 SIZE- L		LT(10)	LT(10)	LT(5)	3
AUSTIN NEV - YOUNG'S RANCH # 077505 1330 DATE- 02 19 70 SIZE- L		LT(10)	LT(10)	LT(5)	3

NEVADA REPORTED 06/08/71	131I	137CS	89SR	90SR
AUSTIN NEV - YOUNG'S RANCH # 077932 1330 DATE- 03 09 70 SIZE- L	LT(10)	LT(10)	LT(5)	3
AUSTIN NEV - TRIPLE T RANCH # 077509 1330 DATE- 02 19 70 SIZE- L	LT(10)	LT(10)	LT(5)	4
AUSTIN NEV - TRIPLE T RANCH # 077931 1330 DATE- 03 10 70 SIZE- L	LT(10)	LT(10)	LT(5)	LT(2)
AUSTIN NEV - TRIPLE T RANCH # 081743 1330 DATE- 04 07 70 SIZE- L	LT(10)	LT(10)	LT(5)	LT(2)
AUSTIN NEV - TRIPLE T RANCH # 83983 1330 DATE- 05 12 70 1800 SIZE- 3.50 L	LT(10)	2.0E01	LT(5)	2
AUSTIN NEV - TRIPLE T RANCH # 84922 1330 DATE- 06 02 70 0600 SIZE- 3.50 L	LT(10)	2.0E01	LT(5)	4
BATTLE MT NEV - T LAZY S RANCH # 076250 6990 DATE- 01 12 70 SIZE- L	LT(10)	1.0E01	LT(5)	4
BATTLE MT NEV - T LAZY S RANCH # 076741 6990 DATE- 02 10 70 SIZE- L	LT(10)	LT(10)	LT(5)	5

NEVADA REPORTED 06/08/71	131I	137CS	89SR	90SR
BATTLE MT NEV - T LAZY S RANCH # 080962 6990 DATE- 03 10 70 SIZE- L	LT(10)	1.0E01	LT(5)	4
BATTLE MT NEV - T LAZY S RANCH # 081693 6990 DATE- 04 06 70 SIZE- L	LT(10)	1.0E01	LT(5)	6
BATTLE MT NEV - T LAZY S RANCH # 84938 6990 DATE- 06 03 70 0600 SIZE- 3.50 L	LT(10)	1.0E01	LT(5)	2
BELMONT NEV - PINE CREEK RANCH # 076111 1330 DATE- 01 07 70 SIZE- L	LT(10)	LT(10)	LT(5)	11
BELMONT NEV - PINE CREEK RANCH # 077507 1330 DATE- 02 17 70 SIZE- L	LT(10)	3.0E01	LT(5)	LT(2)
BELMONT NEV - PINE CREEK RANCH # 077934 1330 DATE- 03 09 70 SIZE- L	LT(10)	3.0E01	LT(5)	8
BELMONT NEV - PINE CREEK RANCH # 081747 1330 DATE- 04 08 70 SIZE- L	LT(10)	2.0E01	8	8
BEOWAWE NEV - FRIESEN RANCH # 076742 6990 DATE- 02 10 70 SIZE- L	LT(10)	3.0E01	LT(5)	9

NEVADA REPORTED 06/08/71	131I	137CS	89SR	90SR
BEOWAWE NEV - FRIESEN RANCH # 080965 6990 DATE- 03 11 70 SIZE- L	LT(10)	LT(10)	LT(5)	5
BEOWAWE NEV - FRIESEN RANCH # 84941 6990 DATE- 06 03 70 0600 SIZE- 3.50 L	LT(10)	2.0E01	NA	NA
CALIENTE NEV - YOUNG RANCH # 076096 6990 DATE- 01 07 70 SIZE- L	LT(10)	LT(10)	LT(5)	2
CALIENTE NEV - YOUNG RANCH # 076760 6990 DATE- 02 12 70 SIZE- L	LT(10)	LT(10)	LT(5)	2
CALIENTE NEV - YOUNG RANCH # 080943 6990 DATE- 03 10 70 SIZE- L	LT(10)	LT(10)	LT(5)	LT(2)
CALIENTE NEV - YOUNG RANCH # 081742 6990 DATE- 04 07 70 SIZE- L	LT(10)	LT(10)	LT(5)	LT(2)
CALIENTE NEV - YOUNG RANCH # 082353 6992 DATE- 04 22 70 SIZE- L	LT(10)	LT(10)	LT(5)	LT(2)
CALIENTE NEV - YOUNG RANCH # 83978 8990 DATE- 05 12 70 1800 SIZE- 3.50 L	LT(10)	LT(10)	LT(5)	LT(2)

NEVADA	REPORTED 06/08/71	131I	137CS	89SR	90SR
CALIENTE NEV - YOUNG RANCH # 85487 6990 DATE- 06 16 70 1800 SIZE- 3.50 L		LT(10)	LT(10)	LT(5)	2
CURRANT NEV - BLUE EAGLE RANCH # 076380 6990 DATE- 01 23 70 SIZE- L		LT(10)	LT(10)	LT(5)	4
CURRANT NEV - BLUE EAGLE RANCH # 076776 6990 DATE- 02 11 70 SIZE- L		LT(10)	4.0E01	LT(5)	6
CURRANT NEV - BLUE EAGLE RANCH # 080980 6990 DATE- 03 13 70 SIZE- L		LT(10)	2.0E01	LT(5)	4
CURRANT NEV - BLUE EAGLE RANCH # 84375 8990 DATE- 05 21 70 0600 SIZE- 2.95 L		LT(10)	2.0E01	LT(5)	5
CURRANT NEV - BLUE EAGLE RANCH # 84929 8990 DATE- 06 04 70 0600 SIZE- 3.50 L		LT(10)	2.0E01	LT(5)	4
CURRIE NEV - BILL LEAR RANCH # 076737 1210 DATE- 02 10 70 SIZE- L		LT(10)	LT(10)	LT(5)	4
CURRIE NEV - BILL LEAR RANCH # 080963 1210 DATE- 03 11 70 SIZE- L		LT(10)	LT(10)	LT(5)	3

NEVADA REPORTED 06/08/71	131I	137CS	89SR	90SR
CURRIE NEV - BILL LEAR RANCH # 081688 1210 DATE- 04 08 70 SIZE- L	LT(10)	1.0E01	LT(5)	3
CURRIE NEV - BILL LEAR RANCH # 84933 1210 DATE- 06 02 70 0600 SIZE- 3.50 L	LT(10)	2.0E01	5	4
DEETH NEV - LOTSPEICH RANCH # 076246 6990 DATE- 01 13 70 SIZE- L	LT(10)	2.0E01	LT(5)	9
DEETH NEV - LOTSPEICH RANCH # 076740 6990 DATE- 02 10 70 SIZE- L	LT(10)	LT(10)	8	8
DEETH NEV - LOTSPEICH RANCH # 080960 6990 DATE- 03 10 70 SIZE- L	LT(10)	3.0E01	5	8
DEETH NEV - LOTSPEICH RANCH # 081691 6990 DATE- 04 08 70 SIZE- L	LT(10)	3.0E01	8	6
DEETH NEV - LOTSPEICH RANCH # 84934 6990 DATE- 06 02 70 0600 SIZE- 3.50 L	LT(10)	3.0E01	5	5
DUCKWATER NEV - HALSTEAD RANCH # 076381 6290 DATE- 01 23 70 SIZE- L	LT(10)	LT(10)	LT(5)	LT(2)

NEVADA REPORTED 06/08/71	131I	137CS	89SR	90SR
DUCKWATER NEV - HALSTEAD RANCH # 076777 6390 DATE- 02 10 70 SIZE- L	LT(10)	1.0E01	LT(5)	4
DUCKWATER NEV - HALSTEAD RANCH # 080979 6990 DATE- 03 12 70 SIZE- L	LT(10)	LT(10)	LT(5)	2
DUCKWATER NEV - HALSTEAD RANCH # 081400 6290 DATE- 03 31 70 SIZE- L	LT(10)	LT(10)	LT(5)	5
DUCKWATER NEV - HALSTEAD RANCH # 84373 6290 DATE- 05 21 70 0600 SIZE- 3.50 L	LT(10)	LT(10)	LT(5)	5
DUCKWATER NEV - HALSTEAD RANCH # 84930 6290 DATE- 06 03 70 0600 SIZE- 3.50 L	LT(10)	LT(10)	LT(5)	9
ELKO NEV - ANCHOR S RANCH # 076247 6990 DATE- 01 14 70 SIZE- L	LT(10)	1.0E01	LT(5)	6
ELKO NEV - ANCHOR S RANCH # 080964 6990 DATE- 03 11 70 SIZE- L	LT(10)	LT(10)	LT(5)	5
ELKO NEV - ANCHOR S RANCH # 081692 6990 DATE- 04 08 70 SIZE- L	LT(10)	LT(10)	LT(5)	5

NEVADA REPORTED 06/08/71	I131	137CS	89SR	90SR
ELKO NEV - ANCHOR 5 RANCH # 84940 6990 DATE- 06 03 70 0600 SIZE- .400 L	LT(100)	LT(100)	LT(5)	4
EUREKA NEV - MARTIN RANCH # 076112 1730 DATE- 01 05 70 SIZE- L	LT(10)	3.0E01	6	5
EUREKA NEV - MARTIN RANCH # 077506 1730 DATE- 02 19 70 SIZE- L	LT(10)	4.0E01	5	6
EUREKA NEV - MARTIN RANCH # 077933 1730 DATE- 03 09 70 SIZE- L	LT(10)	3.0E01	LT(5)	8
EUREKA NEV - MARTIN RANCH # 081744 1730 DATE- 04 07 70 SIZE- L	LT(10)	4.0E01	8	8
EUREKA NEV - MARTIN RANCH # 83982 4730 DATE- 05 12 70 1800 SIZE- 3.50 L	LT(10)	4.0E01	LT(5)	10
EUREKA NEV - MARTIN RANCH # 84919 4730 DATE- 06 01 70 0600 SIZE- 3.50 L	LT(10)	2.0E01	8	10
HIKO NEV - SCHOFIELD DAIRY # 076095 6990 DATE- 01 09 70 SIZE- L	LT(10)	LT(10)	LT(5)	LT(2)

NEVADA REPORTED 06/08/71	131I	137CS	89SR	90SR
HIKO NEV - SCHOFIELD DAIRY # 076762 6990 DATE- 02 13 70 SIZE- L	LT(10)	1.0E01	LT(5)	3
HIKO NEV - SCHOFIELD DAIRY # 080944 6990 DATE- 03 13 70 SIZE- L	LT(10)	LT(10)	LT(5)	2
HIKO NEV - SCHOFIELD DAIRY # 081740 6990 DATE- 04 09 70 SIZE- L	LT(10)	LT(10)	LT(5)	3
HIKO NEV - SCHOFIELD DAIRY # 082157 6990 DATE- 04 21 70 SIZE- L	LT(10)	LT(10)	LT(5)	2
HIKO NEV - SCHOFIELD DAIRY # 082352 6992 DATE- 04 23 70 SIZE- L	LT(10)	LT(10)	LT(5)	3
HIKO NEV - SCHOFIELD DAIRY # 83984 9990 DATE- 05 12 70 0600 SIZE- 3.50 L	LT(10)	LT(10)	LT(5)	3
HIKO NEV - SCHOFIELD DAIRY # 85484 9990 DATE- 06 19 70 0600 SIZE- 3.50 L	LT(10)	1.0E01	LT(5)	4
INDIAN SPRINGS NEV -INDIAN SPRINGS RCH # 081654 6790 DATE- 04 07 70 SIZE- L	LT(10)	LT(10)	LT(5)	2

NEVADA REPORTED 06/08/71	131I	137CS	89SR	90SR
INDIAN SPRINGS NEV -INDIAN SPRINGS RCH # 84241 6790 DATE- 05 18 70 0600 SIZE- 2.80 L	LT(10)	LT(10)	LT(5)	LT(2)
INDIAN SPRINGS NEV -INDIAN SPRINGS RCH # 84890 6790 DATE- 05 30 70 0600 SIZE- 3.50 L	LT(10)	LT(10)	LT(5)	4
LAS VEGAS NEV - LDS DAIRY FARM # 076238 6990 DATE- 01 16 70 SIZE- L	LT(10)	LT(10)	LT(5)	LT(2)
LAS VEGAS NEV - LDS DAIRY FARM # 076640 6990 DATE- 02 09 70 SIZE- L	LT(10)	LT(10)	LT(5)	LT(2)
LAS VEGAS NEV - LDS DAIRY FARM # 081368 0000 DATE- 03 31 70 SIZE- L	LT(10)	LT(10)	LT(5)	LT(2)
LAS VEGAS NEV - LDS DAIRY FARM # 081923 9990 DATE- 04 14 70 SIZE- L	LT(10)	LT(10)	LT(5)	LT(2)
LAS VEGAS NEV - LDS DAIRY FARM # 84170 9990 DATE- 05 19 70 0600 SIZE- 3.50 L	LT(10)	LT(10)	LT(5)	LT(2)
LAS VEGAS NEV - LDS DAIRY FARM # 85573 9990 DATE- 06 23 70 0600 SIZE- 3.50 L	LT(10)	LT(10)	LT(5)	2

NEVADA REPORTED 06/08/71	131I	137CS	89SR	90SR
LAS VEGAS NEV - ANDERSON DAIRY # 076239 0000 DATE- 01 16 70 SIZE- L	LT(10)	LT(10)	LT(5)	LT(2)
LAS VEGAS NEV - ANDERSON DAIRY # 076642 0000 DATE- 02 09 70 SIZE- L	LT(10)	LT(10)	LT(5)	3
LAS VEGAS NEV - ANDERSON DAIRY # 081369 0000 DATE- 03 31 70 SIZE- L	LT(10)	LT(10)	LT(5)	LT(2)
LAS VEGAS NEV - ANDERSON DAIRY # 081924 0000 DATE- 04 14 70 SIZE- L	LT(10)	LT(10)	LT(5)	3
LAS VEGAS NEV - ANDERSON DAIRY # 84171 0000 DATE- 05 19 70 0600 SIZE- 3.50 L	LT(10)	1.0E01	LT(5)	LT(2)
LAS VEGAS NEV - ANDERSON DAIRY # 85547 0000 DATE- 06 22 70 1430 SIZE- 3.50 L	LT(10)	LT(10)	LT(5)	3
LAS VEGAS NEV - ARDEN DAIRY # 076240 0000 DATE- 01 16 70 SIZE- L	LT(10)	LT(10)	LT(5)	4
LAS VEGAS NEV - ARDEN DAIRY # 076643 0000 DATE- 02 09 70 SIZE- L	LT(10)	LT(10)	LT(5)	3

NEVADA REPORTED 06/08/71	131I	137CS	89SR	90SR
LAS VEGAS NEV - ARDEN DAIRY # 081370 0000 DATE- 03 31 70 SIZE- L	LT(10)	LT(10)	LT(5)	2
LAS VEGAS NEV - ARDEN DAIRY # 081925 0000 DATE- 04 14 70 SIZE- L	LT(10)	LT(10)	LT(5)	LT(2)
LAS VEGAS NEV - ARDEN DAIRY # 84172 0000 DATE- 05 19 70 0600 SIZE- 3.50 L	LT(10)	LT(10)	LT(5)	LT(2)
LAS VEGAS NEV - ARDEN DAIRY # 85546 0000 DATE- 06 22 70 1400 SIZE- 3.50 L	LT(10)	LT(10)	LT(5)	LT(2)
LATHROP WELLS NEV - DANSBY'S RANCH # 076126 6990 DATE- 01 08 70 SIZE- L	LT(10)	LT(10)	LT(5)	LT(2)
LATHROP WELLS NEV - DANSBY'S RANCH # 076794 6990 DATE- 02 10 70 SIZE- L	LT(10)	LT(10)	LT(5)	LT(2)
LATHROP WELLS NEV - DANSBY'S RANCH # 080982 6990 DATE- 03 09 70 SIZE- L	LT(10)	LT(10)	LT(5)	LT(2)
LATHROP WELLS NEV - DANSBY'S RANCH # 081653 6990 DATE- 04 07 70 SIZE- L	LT(10)	LT(10)	LT(5)	2

NEVADA REPORTED 06/08/71	131I	137CS	89SR	90SR
LATHROP WELLS NEV - DANSBY'S RANCH # 84240 6990 DATE- 05 20 70 0600 SIZE- 3.00 L	LT(10)	LT(10)	LT(5)	LT(2)
LATHROP WELLS NEV - DANSBY'S RANCH # 84889 6990 DATE- 06 02 70 0600 SIZE- 3.50 L	LT(10)	LT(10)	LT(5)	LT(2)
LIDA NEV - LIDA LIVESTOCK # 076113 1730 DATE- 01 05 70 SIZE- L	LT(10)	LT(10)	LT(5)	3
LIDA NEV - LIDA LIVESTOCK # 077508 6770 DATE- 02 16 70 SIZE- L	LT(10)	LT(10)	LT(5)	9
LIDA NEV - LIDA LIVESTOCK # 080984 1730 DATE- 03 12 70 SIZE- L	LT(10)	LT(10)	LT(5)	LT(2)
LIDA NEV - LIDA LIVESTOCK # 081745 1730 DATE- 04 06 70 SIZE- L	LT(10)	LT(10)	LT(5)	4
LIDA NEV - LIDA LIVESTOCK # 83986 1730 DATE- 05 11 70 0600 SIZE- .40 L	LT(100)	LT(100)	LT(5)	5
LIDA NEV - LIDA LIVESTOCK # 84921 1730 DATE- 05 30 70 0600 SIZE- .400 L	LT(100)	LT(100)	LT(5)	3

NEVADA REPORTED 06/08/71	131I	137CS	89SR	90SR
LOGANDALE NEV - VEGAS VALLEY DAIRY # 076047 0000 DATE- 01 05 70 SIZE- L	LT(10)	1.0E01	LT(5)	3
LOGANDALE NEV - VEGAS VALLEY DAIRY # 076755 0000 DATE- 02 13 70 SIZE- L	LT(10)	LT(10)	LT(5)	LT(2)
LOGANDALE NEV - VEGAS VALLEY DAIRY # 080909 0000 DATE- 03 09 70 SIZE- L	LT(10)	LT(10)	LT(5)	3
LOGANDALE NEV - VEGAS VALLEY DAIRY # 081636 0000 DATE- 04 08 70 SIZE- L	LT(10)	LT(10)	LT(5)	2
LOGANDALE NEV - VEGAS VALLEY DAIRY # 83582 0000 DATE- 05 05 70 0600 SIZE- 3.50 L	LT(10)	LT(10)	LT(5)	LT(2)
LOGANDALE NEV - VEGAS VALLEY DAIRY # 85287 0000 DATE- 06 08 70 0600 SIZE- 3.50 L	LT(10)	LT(10)	LT(5)	LT(2)
LUND NEV - MCKENZIE DAIRY # 076383 6990 DATE- 01 20 70 SIZE- L	LT(10)	LT(10)	LT(5)	2
LUND NEV - MCKENZIE DAIRY # 076779 6990 DATE- 02 11 70 SIZE- L	LT(10)	LT(10)	LT(5)	3

NEVADA REPORTED 06/08/71	131I	137CS	89SR	90SR
LUND NEV - MCKENZIE DAIRY # 080975 6990 DATE- 03 11 70 SIZE- L	LT(10)	LT(10)	LT(5)	2
LUND NEV - MCKENZIE DAIRY # 081405 6990 DATE- 04 01 70 SIZE- L	LT(10)	LT(10)	LT(5)	3
LUND NEV - MCKENZIE DAIRY # 082261 6992 DATE- 04 22 70 SIZE- L	LT(10)	LT(10)	LT(5)	3
LUND NEV - MCKENZIE DAIRY # 84377 6990 DATE- 05 19 70 1800 SIZE- 3.50 L	LT(10)	LT(10)	LT(5)	9
LUND NEV - MCKENZIE DAIRY # 84931 6990 DATE- 06 04 70 0600 SIZE- 3.50 L	LT(10)	2.0E01	LT(5)	LT(2)
MCGILL NEV - LARSEN RANCH # 076384 6990 DATE- 01 21 70 SIZE- L	LT(10)	LT(10)	LT(5)	2
MCGILL NEV - LARSEN RANCH # 076780 6990 DATE- 02 12 70 SIZE- L	LT(10)	LT(10)	LT(5)	3
MCGILL NEV - LARSEN RANCH # 080978 6990 DATE- 03 13 70 SIZE- L	LT(10)	LT(10)	LT(5)	2

NEVADA REPORTED 06/08/71	131I	137CS	89SR	90SR
MCGILL NEV - LARSEN RANCH # 84374 6990 DATE- 05 19 70 0600 SIZE- 3.50 L	LT(10)	1.0E01	LT(5)	5
MCGILL NEV - LARSEN RANCH # 84937 6990 DATE- 06 04 70 0600 SIZE- 3.50 L	LT(10)	LT(10)	LT(5)	2
MESQUITE NEV - HUGHES BROS DAIRY # 076046 93R0 DATE- 01 05 70 SIZE- L	LT(10)	LT(10)	LT(5)	2
MESQUITE NEV - HUGHES BROS DAIRY # 076756 93R0 DATE- 02 13 70 SIZE- L	LT(10)	LT(10)	LT(5)	LT(2)
MESQUITE NEV - HUGHES BROS DAIRY # 080908 9380 DATE- 03 09 70 SIZE- L	LT(10)	LT(10)	LT(5)	2
MESQUITE NEV - HUGHES BROS DAIRY # 081635 93R0 DATE- 04 06 70 SIZE- L	LT(10)	LT(10)	LT(5)	LT(2)
MESQUITE NEV - HUGHES BROS DAIRY # 082221 6992 DATE- 04 22 70 SIZE- L	LT(10)	LT(10)	LT(5)	LT(2)
MESQUITE NEV - HUGHES BROS DAIRY # 83584 9380 DATE- 05 05 70 0600 SIZE- 3.50 L	LT(10)	LT(10)	LT(5)	LT(2)

NEVADA REPORTED 06/08/71	131I	137CS	89SR	90SR
MESQUITE NEV - HUGHES BROS DAIRY # 85284 9380 DATE- 06 08 70 0600 SIZE- 3.50 L	LT(10)	LT(10)	LT(5)	2
MOAPA NEV - SEARLES DAIRY # 076097 6990 DATE- 01 05 70 SIZE- L	LT(10)	LT(10)	LT(5)	2
MOAPA NEV - SEARLES DAIRY # 076759 6990 DATE- 02 10 70 SIZE- L	LT(10)	LT(10)	LT(5)	4
MOAPA NEV - SEARLES DAIRY # 080945 6990 DATE- 03 10 70 SIZE- L	LT(10)	LT(10)	LT(5)	LT(2)
MOAPA NEV - SEARLES DAIRY # 081738 9990 DATE- 04 07 70 SIZE- L	LT(10)	LT(10)	LT(5)	6
MOAPA NEV - SEARLES DAIRY # 83980 6990 DATE- 05 17 70 0600 SIZE- 3.50 L	LT(10)	LT(10)	LT(5)	LT(2)
MOAPA NEV - SEARLES DAIRY # 85488 6990 DATE- 06 16 70 0600 SIZE- 3.50 L	LT(10)	LT(10)	LT(5)	3
MONTELLO NEV - KAY KIMBER RANCH # 076738 6990 DATE- 02 10 70 SIZE- L	LT(10)	LT(10)	LT(5)	4

ACCUMULATIVE OFF-SITE MILK RESULTS JANUARY THROUGH JUNE 1970

NEVADA REPORTED 06/08/71	131I	137CS	89SR	90SR
MONTELLO NEV - KAY KIMBER RANCH # 081689 6990 DATE- 04 08 70 SIZE- L	LT(10)	3.0E01	LT(5)	3
MONTELLO NEV - KAY KIMBER RANCH # 84939 6990 DATE- 06 02 70 0600 SIZE- 3.50 L	LT(10)	3.0E01	LT(5)	4
NYALA NEV - SHARP'S RANCH # 076068 6990 DATE- 01 07 70 SIZE- L	LT(10)	2.0E01	LT(5)	4
NYALA NEV - SHARP'S RANCH # 076994 6990 DATE- 02 17 70 SIZE- L	LT(10)	2.0E01	LT(5)	6
NYALA NEV - SHARP'S RANCH # 080974 6990 DATE- 03 12 70 SIZE- L	LT(10)	2.0E01	LT(5)	5
NYALA NEV - SHARP'S RANCH # 081713 4930 DATE- 04 09 70 SIZE- L	LT(10)	2.0E01	LT(5)	6
NYALA NEV - SHARP'S RANCH # 84305 1310 DATE- 05 19 70 0600 SIZE- 3.50 L	LT(10)	LT(10)	LT(5)	3
NYALA NEV - SHARP'S RANCH # 85438 7940 DATE- 06 17 70 0600 SIZE- 3.10 L	LT(10)	LT(10)	5	2

NEVADA	REPORTED 06/08/71	1311	137CS	89SR	90SR
PAHRUMP NEV - OWENS RANCH # 076128 8490 DATE- 01 08 70 SIZE- L		LT(10)	LT(10)	LT(5)	LT(2)
PAHRUMP NEV - OWENS RANCH # 076900 8490 DATE- 02 13 70 SIZE- L		LT(10)	LT(10)	LT(5)	3
PAHRUMP NEV - OWENS RANCH # 080981 8490 DATE- 03 12 70 SIZE- L		LT(10)	LT(10)	LT(5)	LT(2)
PAHRUMP NEV - OWENS RANCH # 081652 8490 DATE- 04 08 70 SIZE- L		LT(10)	LT(10)	LT(5)	4
PAHRUMP NEV - OWENS RANCH # 84306 8490 DATE- 05 20 70 1800 SIZE- 3.50 L		LT(10)	LT(10)	LT(5)	4
PAHRUMP NEV - OWENS RANCH # 84893 8490 DATE- 06 01 70 1800 SIZE- 3.50 L		LT(10)	LT(10)	LT(5)	2
PANACA NEV - KENNETH LEE RANCH # 076094 6990 DATE- 01 07 70 SIZE- L		LT(10)	LT(10)	LT(5)	2
PANACA NEV - KENNETH LEE RANCH # 076763 6990 DATE- 02 12 70 SIZE- L		LT(10)	LT(10)	LT(5)	3

NEVADA REPORTED 06/08/71	I311	137CS	89SR	90SR
PANACA NEV - KENNETH LEE RANCH # 080946 6990 DATE- 03 10 70 SIZE- L	LT(10)	LT(10)	LT(5)	2
PANACA NEV - KENNETH LEE RANCH # 081741 6990 DATE- 04 08 70 SIZE- L	LT(10)	LT(10)	LT(5)	2
PANACA NEV - KENNETH LEE RANCH # 082247 6992 DATE- 04 22 70 SIZE- L	LT(10)	LT(10)	LT(5)	2
PANACA NEV - KENNETH LEE RANCH # 83979 6990 DATE- 05 13 70 0600 SIZE- 3.50 L	LT(10)	LT(10)	LT(5)	LT(2)
PANACA NEV - KENNETH LEE RANCH # 85485 2900 DATE- 06 17 70 1800 SIZE- 3.50 L	LT(10)	1.0E01	LT(5)	5
ROUND MT NEV - KARL BERG RANCH # 081746 6490 DATE- 04 07 70 SIZE- L	LT(10)	LT(10)	LT(5)	9
ROUND MT NEV - KARL BERG RANCH # 83985 6490 DATE- 05 12 70 1800 SIZE- 3.00 L	LT(10)	LT(10)	LT(5)	3
ROUND MT NEV - KARL BERG RANCH # 84920 6470 DATE- 06 01 70 0600 SIZE- 2.70 L	LT(10)	LT(10)	LT(5)	6

NEVADA REPORTED 06/08/71	131I	137CS	89SR	90SR
SHOSHONE NEV - KIRKEBY RANCH # 076385 6990 DATE- 01 22 70 SIZE- L	LT(10)	LT(10)	LT(5)	4
SHOSHONE NEV - KIRKEBY RANCH # 076781 6990 DATE- 02 13 70 SIZE- L	LT(10)	2.0E01	LT(5)	8
SHOSHONE NEV - KIRKEBY RANCH # 080977 6990 DATE- 03 10 70 SIZE- L	LT(10)	2.0E01	LT(5)	5
SHOSHONE NEV - KIRKEBY RANCH # 081396 6990 DATE- 03 30 70 SIZE- L	LT(10)	2.0E01	LT(5)	4
SHOSHONE NEV - KIRKEBY RANCH # 84372 6990 DATE- 05 19 70 0600 SIZE- 3.50 L	LT(10)	LT(10)	LT(5)	2
SHOSHONE NEV - KIRKEBY RANCH # 84932 6990 DATE- 06 02 70 0600 SIZE- 3.50 L	LT(10)	LT(10)	LT(5)	3
SPRINGDALE NEV - MCCURDY RANCH # 076127 6190 DATE- 01 08 70 SIZE- L	LT(10)	LT(10)	LT(5)	LT(2)
SPRINGDALE NEV - MCCURDY RANCH # 076795 6190 DATE- 02 12 70 SIZE- L	LT(10)	LT(10)	LT(5)	2

NEVADA	REPORTED 06/08/71	131I	137CS	89SR	90SR
SPRINGDALE NEV - MCCURDY RANCH # 080983 6190 DATE- 03 12 70 SIZE- L		LT(10)	LT(10)	LT(5)	LT(2)
SPRINGDALE NEV - MCCURDY RANCH # 081655 6190 DATE- 04 07 70 SIZE- L		LT(10)	LT(10)	LT(5)	LT(2)
SPRINGDALE NEV - MCCURDY RANCH # 84014 6190 DATE- 05 15 70 0600 SIZE- 3.50 L		LT(10)	LT(10)	NA	NA
SPRINGDALE NEV - MCCURDY RANCH # 84895 6190 DATE- 06 02 70 1800 SIZE- 3.50 L		LT(10)	LT(10)	LT(5)	2
WELLS NEV - WILLOW CREEK RANCH # 076739 1930 DATE- 02 09 70 SIZE- L		LT(10)	2.0E01	LT(5)	3
WELLS NEV - WILLOW CREEK RANCH # 080961 1930 DATE- 03 11 70 SIZE- L		LT(10)	LT(10)	LT(5)	5
WELLS NEV - WILLOW CREEK RANCH # 081690 1930 DATE- 04 07 70 SIZE- L		LT(10)	LT(10)	LT(5)	7
WELLS NEV - WILLOW CREEK RANCH # 84935 1930 DATE- 06 02 70 0600 SIZE- 2.90 L		LT(10)	1.0E01	LT(5)	2

OREGON REPORTED 06/08/71	131I	137CS	89SR	90SR
ASTORIA ORE - MAYFLOWER FARMS # 082062 DATE- 04 15 70 SIZE- L	LT(10)	2.0E01	8	10
BURNS ORE - CLARENCE GARDNER DAIRY # 082030 DATE- 04 14 70 SIZE- L	LT(10)	LT(10)	LT(5)	LT(2)
COOS BAY ORE - BROOKMEAD DAIRY # 082032 DATE- 04 14 70 SIZE- L	LT(10)	LT(10)	9	7
CORVALLIS ORE - OREGON STATE UNIV # 082040 DATE- 04 14 70 SIZE- L	LT(10)	LT(10)	LT(5)	3
CORVALLIS ORE - SUNNY BROOK DAIRY # 082034 DATE- 04 14 70 SIZE- L	LT(10)	LT(10)	LT(5)	4
EUGENE ORE - EUGENE FARMERS CRMY # 082041 DATE- 04 14 70 SIZE- L	LT(10)	3.0E01	7	6
EUGENE ORE ECHO SPRING DAIRY # 082027 DATE- 04 14 70 SIZE- L	LT(10)	LT(10)	LT(5)	7
GRANTS PASS ORE - ARDEN FARMS CO # 082060 DATE- 04 14 70 SIZE- L	LT(10)	1.0E01	6	4

OREGON	REPORTED 06/08/71	131I	137CS	89SR	90SR
HARBOR ORE - LILES' DAIRY		LT(10)	LT(10)	5	8
# 082111	DATE- 04 14 70				
SIZE- L					
HERMISTON ORE - MAYFLOWER FARMS		LT(10)	LT(10)	LT(5)	2
# 082037	DATE- 04 14 70				
SIZE- L					
KLAMATH FALLS ORE - KLAMATH FALLS CRMY		LT(10)	LT(10)	LT(5)	LT(2)
# 082028	DATE- 04 14 70				
SIZE- L					
KLAMATH FALLS ORE - KLAMATH FALLS CRMY		LT(10)	LT(10)	LT(5)	LT(2)
# 082061	DATE- 04 15 70				
SIZE- L					
KLAMATH FALLS ORE - KLAMATH FALLS CRMY		LT(10)	LT(10)	NA	NA
# 082110	DATE- 04 16 70				
SIZE- L					
LAKEVIEW ORE - HILL TOP DAIRY		LT(10)	2.0E01	LT(5)	2
# 082112	DATE- 04 14 70				
SIZE- L					
MEDFORD ORE - JORGENSEN'S DAIRY PROD		LT(10)	LT(10)	LT(5)	3
# 082035	DATE- 04 14 70				
SIZE- L					
REDMOND ORE - KILGORE'S DAIRY		LT(10)	LT(10)	LT(5)	7
# 082031	DATE- 04 14 70				
SIZE- L					

OREGON	REPORTED 06/08/71	131I	137CS	89SR	90SR
ROSEBURG ORE - UMPQUA DAIRY PROD # 082059 DATE- 04 15 70 SIZE- L		LT(10)	LT(10)	LT(5)	7
SALEM ORE - CURLY'S DAIRY # 082064 DATE- 04 14 70 SIZE- L		LT(10)	LT(10)	6	6
TILLAMOOK ORE - TILLAMOOK CO CRMY # 082038 DATE- 04 14 70 SIZE- L		LT(10)	4.0E01	15	16

UTAH	REPORTED 06/08/71	131I	137CS	89SR	90SR
CEDAR CITY UTAH - MEADOW GOLD DAIRY # 082639 DATE- 04 22 70 SIZE- L		LT(10)	LT(10)	LT(5)	2
CEDAR CITY UTAH - MEADOW GOLD DAIRY # 082640 DATE- 04 23 70 SIZE- L		LT(10)	LT(10)	NA	NA
CEDAR CITY UTAH - MEADOW GOLD DAIRY # 082641 DATE- 04 24 70 SIZE- L		LT(10)	LT(10)	NA	NA
CEDAR CITY UTAH - MEADOW GOLD DAIRY # 082642 DATE- 04 25 70 SIZE- L		LT(10)	LT(10)	NA	NA
CEDAR CITY UTAH - MEADOW GOLD DAIRY # 082643 DATE- 04 26 70 SIZE- L		LT(10)	LT(10)	NA	NA
CEDAR CITY UTAH - MEADOW GOLD DAIRY # 082644 DATE- 04 27 70 SIZE- L		LT(10)	LT(10)	NA	NA
GARRISON UTAH - GONDERS RANCH # 076382 1910 DATE- 01 22 70 SIZE- L		LT(10)	LT(10)	LT(5)	2
GARRISON UTAH - GONDERS RANCH # 076778 1910 DATE- 02 12 70 SIZE- L		LT(10)	2.0E01	LT(5)	9

UTAH REPORTED 06/08/71	131I	137CS	89SR	90SR
GARRISON UTAH - GONDERS RANCH # 080976 1910 DATE- 03 09 70 SIZE- L	LT(10)	LT(10)	LT(5)	4
GARRISON UTAH - GONDERS RANCH # 081403 1910 DATE- 04 01 70 SIZE- L	LT(10)	2.0E01	LT(5)	4
GARRISON UTAH - GONDERS RANCH # 84376 6990 DATE- 05 19 70 0600 SIZE- 3.05 L	LT(10)	1.0E01	LT(5)	6
GARRISON UTAH - GONDERS RANCH # 84936 1910 DATE- 06 02 70 0600 SIZE- 3.50 L	LT(10)	1.0E01	LT(5)	LT(2)
MINERSVILLE UTAH - MINERSVILLE DAIRY # 082402 DATE- 04 24 70 SIZE- L	LT(10)	LT(10)	LT(5)	LT(2)
MINERSVILLE UTAH - MINERSVILLE DAIRY # 082615 DATE- 04 27 70 SIZE- L	LT(10)	LT(10)	NA	NA
MINERSVILLE UTAH - MINERSVILLE DAIRY # 082645 DATE- 04 28 70 SIZE- L	LT(10)	LT(10)	NA	NA
MINERSVILLE UTAH - MINERSVILLE DAIRY # 083366 DATE- 04 28 70 SIZE- L	LT(10)	LT(10)	NA	NA

UTAH	REPORTED 06/08/71	131I	137CS	89SR	90SR
MINERSVILLE UTAH - # 083367 SIZE- L	MINERSVILLE DAIRY DATE- 04 29 70	LT(10)	LT(10)	NA	NA
MINERSVILLE UTAH - # 83496 SB SIZE- 3.50 L	MINERSVILLE DAIRY DATE- 05 01 70 0600	LT(10)	LT(10)	NA	NA
MINERSVILLE UTAH - # 83459 SB SIZE- 3.50 L	MINERSVILLE DAIRY DATE- 05 02 70 0600	LT(10)	LT(10)	NA	NA
MT PLEASANT UTAH - # 082415 SIZE- L	BROOKLAWN CREAMERY DATE- 04 23 70	LT(10)	LT(10)	LT(5)	6
MT PLEASANT UTAH - # 082616 SIZE- L	BROOKLAWN CREAMERY DATE- 04 25 70	LT(10)	LT(10)	NA	NA
MT PLEASANT UTAH - # 082617 SIZE- L	BROOKLAWN CREAMERY DATE- 04 25 70	LT(10)	LT(10)	NA	NA
MT PLEASANT UTAH - # 082563 SIZE- L	BROOKLAWN CREAMERY DATE- 04 26 70	LT(10)	1.0E01	NA	NA
MT PLEASANT UTAH - # 082564 SIZE- L	BROOKLAWN CREAMERY DATE- 04 27 70	LT(10)	1.0E01	NA	NA

UTAH	REPORTED 06/08/71	131I	137CS	89SR	90SR
MT PLEASANT UTAH - BROOKLAWN CREAMERY # 083324 DATE- 04 28 70 SIZE- L		LT(10)	LT(10)	NA	NA
NEWCASTLE UTAH - NEWCASTLE DAIRY # 076044 1730 DATE- 01 06 70 SIZE- L		LT(10)	LT(10)	LT(5)	2
NEWCASTLE UTAH - NEWCASTLE DAIRY # 076758 1730 DATE- 02 11 70 SIZE- L		LT(10)	LT(10)	LT(5)	2
NEWCASTLE UTAH - NEWCASTLE DAIRY # 080907 1730 DATE- 03 11 70 SIZE- L		LT(10)	LT(10)	LT(5)	LT(2)
NEWCASTLE UTAH - NEWCASTLE DAIRY # 081634 1730 DATE- 04 08 70 SIZE- L		LT(10)	LT(10)	LT(5)	2
NEWCASTLE UTAH - NEWCASTLE DAIRY # 082220 6992 DATE- 04 22 70 SIZE- L		LT(10)	1.0E01	LT(5)	2
NEWCASTLE UTAH - NEWCASTLE DAIRY # 83581 1730 DATE- 05 06 70 1800 SIZE- 3.50 L		LT(10)	LT(10)	LT(5)	4
NEWCASTLE UTAH - NEWCASTLE DAIRY # 85285 1730 DATE- 06 10 70 0600 SIZE- 3.50 L		LT(10)	LT(10)	LT(5)	2

UTAH	REPORTED 06/08/71	131I	137CS	89SR	90SR
OGDEN UTAH - MAPLE LEAF DAIRY # 082272 DATE- 04 21 70 SIZE- L		LT(10)	LT(10)	LT(5)	5
OGDEN UTAH - MAPLE LEAF DAIRY # 082408 DATE- 04 24 70 SIZE- L		LT(10)	LT(10)	NA	NA
OGDEN UTAH - MAPLE LEAF DAIRY # 082414 DATE- 04 24 70 SIZE- L		LT(10)	LT(10)	NA	NA
OGDEN UTAH - MAPLE LEAF DAIRY # 083451 DATE- 04 28 70 SIZE- L		LT(10)	1.0E01	NA	NA
OGDEN UTAH - MAPLE LEAF DAIRY # 083452 DATE- 04 29 70 SIZE- L		LT(10)	LT(10)	NA	NA
OGDEN UTAH - MAPLE LEAF DAIRY # 083453 DATE- 04 30 70 SIZE- L		LT(10)	LT(10)	NA	NA
OGDEN UTAH - MAPLE LEAF DAIRY # 83454 SB DATE- 05 02 70 1800 SIZE- 3.50 L		LT(10)	LT(10)	NA	NA
RICHFIELD UTAH - IDEAL DAIRY # 082317 DATE- 04 22 70 SIZE- L		LT(10)	LT(10)	LT(5)	4

UTAH	REPORTED 06/08/71	131I	137CS	89SR	90SR
RICHFIELD UTAH - IDEAL DAIRY # 082413 DATE- 04 24 70 SIZE- L		LT(10)	LT(10)	NA	NA
RICHFIELD UTAH - IDEAL DAIRY # 082620 DATE- 04 26 70 SIZE- L		LT(10)	LT(10)	NA	NA
ST GEORGE UTAH - R COX DAIRY # 076045 6490 DATE- 01 06 70 SIZE- L		LT(10)	LT(10)	LT(5)	3
ST GEORGE UTAH - R COX DAIRY # 076757 6490 DATE- 02 11 70 SIZE- L		LT(10)	LT(10)	LT(5)	2
ST GEORGE UTAH - R COX DAIRY # 080906 6490 DATE- 03 10 70 SIZE- L		LT(10)	LT(10)	LT(5)	2
ST GEORGE UTAH - R COX DAIRY # 081633 6490 DATE- 04 06 70 SIZE- L		LT(10)	LT(10)	LT(5)	LT(2)
ST GEORGE UTAH - R COX DAIRY # 082219 6992 DATE- 04 22 70 SIZE- L		LT(10)	LT(10)	LT(5)	LT(2)
ST GEORGE UTAH - R COX DAIRY # 83583 6490 DATE- 05 06 70 0600 SIZE- 3.50 L		LT(10)	LT(10)	LT(5)	LT(2)

UTAH	REPORTED 06/08/71	131I	137CS	89SR	90SR
ST GEORGE UTAH - R COX DAIRY # 85286 6490 DATE- 06 09 70 0600 SIZE- 3.50 L		LT(10)	LT(10)	LT(5)	2
ST GEORGE UTAH - ST GEORGE ICE CO # 082409 DATE- 04 23 70 SIZE- L		LT(10)	LT(10)	LT(5)	4
ST GEORGE UTAH - ST GEORGE ICE CO # 082406 DATE- 04 24 70 SIZE- L		LT(10)	LT(10)	NA	NA
ST GEORGE UTAH - ST GEORGE ICE CO # 082569 DATE- 04 25 70 SIZE- L		LT(10)	LT(10)	NA	NA
ST GEORGE UTAH - ST GEORGE ICE CO # 083370 DATE- 04 27 70 SIZE- L		LT(10)	LT(10)	NA	NA
ST GEORGE UTAH - ST GEORGE ICE CO # 083371 DATE- 04 28 70 SIZE- L		LT(10)	LT(10)	NA	NA
ST GEORGE UTAH - ST GEORGE ICE CO # 083372 DATE- 04 29 70 SIZE- L		LT(10)	LT(10)	NA	NA
SMITHFIELD UTAH - CACHE VALLEY DAIRY # 082321 DATE- 04 22 70 SIZE- L		LT(10)	LT(10)	LT(5)	7

UTAH	REPORTED 06/06/71	1311	137CS	89SR	90SR
SMITHFIELD UTAH - CACHE VALLEY DAIRY # 082354 SIZE- L	DATE- 04 23 70	LT(10)	LT(10)	NA	NA
SMITHFIELD UTAH - CACHE VALLEY DAIRY # 082404 SIZE- L	DATE- 04 24 70	LT(10)	LT(10)	NA	NA
SMITHFIELD UTAH - CACHE VALLEY DAIRY # 082618 SIZE- L	DATE- 04 24 70	LT(10)	LT(10)	NA	NA
SMITHFIELD UTAH - CACHE VALLEY DAIRY # 082619 SIZE- L	DATE- 04 25 70	LT(10)	LT(10)	NA	NA
SMITHFIELD UTAH - CACHE VALLEY DAIRY # 082621 SIZE- L	DATE- 04 27 70	LT(10)	LT(10)	NA	NA
SMITHFIELD UTAH - CACHE VALLEY DAIRY # 082646 SIZE- L	DATE- 04 28 70	LT(10)	LT(10)	NA	NA
SPANISH FORK UTAH - TOWN PRIDE DAIRY # 082403 SIZE- L	DATE- 04 23 70	LT(10)	LT(10)	LT(5)	6
SPANISH FORK UTAH - TOWN PRIDE DAIRY # 082412 SIZE- L	DATE- 04 24 70	LT(10)	LT(10)	NA	NA

UTAH	REPORTED 06/08/71	131I	137CS	89SR	90SR
SPANISH FORK UTAH - TOWN PRIDE DAIRY # 082647 DATE- 04 24 70 SIZE- L		LT(10)	LT(10)	NA	NA
SPANISH FORK UTAH - TOWN PRIDE DAIRY # 082648 DATE- 04 26 70 SIZE- L		LT(10)	LT(10)	NA	NA
VEYO UTAH VEYO DAIRY ASSN # 082235 6362 DATE- 04 22 70 SIZE- L		LT(10)	1.0E01	LT(5)	LT(2)